

Serial No. 10/005,323
Amdt. Dated April 25, 2005
Reply to Office Action of January 25, 2005

Docket No. P-0304

REMARKS/ARGUMENTS

Claims 1-18 are pending in this application. By this Amendment, the drawings, Abstract, specification, and claims 1-7 are amended, and claims 8-18 are added. The drawings, Abstract, and specification are amended for clarification purposes only. No new matter is added. Support for the claims can be found throughout the specification, including the original claims, and the drawings. Withdrawal of the rejections in view of the above amendments and the following remarks is respectfully requested.

I. Informalities

The Office Action objects to the specification due to informalities. The amendments made to pages 4-5 of the specification are responsive to the Examiner's comments, and thus the objection should be withdrawn.

The Office Action notes the use of the trademark Bluetooth, indicating it should be capitalized and accompanied by the generic technology. The paragraph beginning on page 3, line 20 of the specification has been amended in response to the Examiner's comments.

II. Rejection Under 35 U.S.C. 102(e)

The Office Action rejects claim 1 under 25 U.S.C. 102(e) as anticipated by U.S. Patent No. 6,647,109 to Henderson. The rejection is respectfully traversed.

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Amendments to the Drawings:

The attached drawings include changes to Fig. 4. This sheet, which includes Figs. 3-4, replaces the original sheet including Figs. 3-4. Figure 4 has been amended to correct a typographical error.

Attachment: Replacement Sheet (1)
Annotated Sheet Showing Changes (1)

Independent claim 1 recites, *inter alia*, a mobile communication terminal adapted to function as a wireless headset of the PC when the PC accesses the Internet phone service, wherein the mobile communication terminal comprises a built-in wireless communication capability configured to enable wireless communication between a plurality of communication devices. Henderson neither discloses nor suggests such features.

Henderson discloses a network communication system 200 which provides a remote user with virtual desktop phone service. The system 200 includes a user side 202 in communication with a provider side 204 via a wide area network (WAN) 225. The user side 202 includes a personal computer (PC) 205 and a communication instrument 215 in communication with a communication gateway 210 and communication device 220, which in turn connects the user side 202 to the WAN 225.

A Private Branch Exchange (PBX) 250 on the provider side 204 interconnects telephone extensions 255 and 257 to each other and to the outside telephone network 260, and a computer telephone integration (CTI) server 245 performs data exchange with the PBX 250 and a Virtual Private Network (VPN) gateway 230. The VPN gateway 230 is in communication with the WAN 225, and a remote user at PC 205 may request that calls be transferred from one of the extensions 255, 257 of the PBX 250 to the PC 205 and/or communication instrument 215 via the VPN gateway 230, WAN 225, and communication gateway 210 (see column 7, line 10 – column 8, line 36 and Figure 3 of Henderson).

Henderson discloses that the communication instrument 215 may be a regular analog phone, a custom phone with a variety of specialized features, or, in other embodiments, a headset connected via Bluetooth to the PC 205 or to the communication gateway 210 (see column 5, lines 12-20 and 25-28 of Henderson). This would require a headset which is specifically adapted for this purpose, resulting in additional equipment and cost to the user. In contrast, independent claim 1 recites a mobile communication terminal adapted to function as a wireless headset, thus utilizing the mobile communication terminal to provide this functionality and avoiding the cost associated with an additional wireless headset specifically for this purpose (see also page 6, lines 6-9 of the present application). Thus, Henderson does not disclose or suggest that the communication instrument 215 may be a mobile communication terminal, nor that such a mobile communication terminal may be adapted to function as a wireless headset as recited in independent claim 1.

Accordingly, it is respectfully submitted that independent claim 1 is not anticipated by Henderson, and thus the rejection of independent claim 1 under 35 U.S.C. §102(e) over Henderson should be withdrawn.

III. Rejection Under 35 U.S.C. 103(a)

The Office Action rejects claims 2-4 under 35 U.S.C. 103(a) as unpatentable over Henderson in view of U.S. Patent No. 5,982,904 to Eghtesadi et al. (hereinafter "Eghtesadi").

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The rejection is respectfully traversed.

Dependent claims 2-3 are allowable over Henderson at least for the reasons discussed above with respect to independent claim 1, from which they depend, as well as for their added features. Further, Eghtesadi is merely cited to teach a PC which contains a sound card, and a wireless headset that contains a speaker and a microphone. Thus, Eghtesadi fails to overcome the deficiencies of Henderson. Accordingly, it is respectfully submitted that claims 2-3 are allowable over the applied combination, and thus the rejection of claims 2-3 under 35 U.S.C. 103(a) over Henderson and Eghtesadi should be withdrawn.

Independent claim 4 recites, *inter alia*, a mobile communication terminal with a built-in wireless communication capability configured to enable wireless communication between a plurality of communication devices, wherein the mobile communication terminal is configured to function as a wireless headset of the PC when the PC accesses the Internet phone service. As set forth above, Henderson neither discloses nor suggests such features. Further, Eghtesadi is merely cited to teach a wireless headset that contains a speaker and a microphone, and thus fails to overcome the deficiencies of Henderson.

Accordingly, it is respectfully submitted that independent claim 4 is allowable over the applied combination, and thus the rejection of independent claim 4 under 35 U.S.C. 103(a) over Henderson and Eghtesadi should be withdrawn.

The Office Action rejects claims 5-7 under 35 U.S.C. 103(a) as unpatentable over

Henderson in view of U.S. Patent No. 5,978,689 to Tuoriniemi et al. (hereinafter "Tuoriniemi").

The rejection is respectfully traversed.

Independent claim 5 recites, *inter alia*, setting an operating mode of the mobile communication terminal, determining whether or not the set operating mode is a headset mode, adjusting input/output ports of the mobile communication terminal if the set operating mode is a headset mode, and transmitting a speech signal from a microphone of the mobile communication terminal to a personal computer (PC) via a wireless communication device of the mobile communication terminal. As set forth above, Henderson neither discloses nor suggests such features. More specifically, Henderson discloses that the communication instrument 215 may be a wireless headset directly connected to the PC 205 or the communication gateway 210, but does not disclose or suggest that the communication instrument 215 may be a mobile communication terminal which is configured to function as a wireless headset, as recited in independent claim 5. Further, Tuoriniemi is merely cited to teach changing input/output ports of the mobile communication terminal and thus fails to overcome the deficiencies of Henderson.

Accordingly, it is respectfully submitted that independent claim 5 is allowable over the applied combination, and thus the rejection of independent claim 5 under 35 U.S.C. 103(a) over Henderson and Tuoriniemi should be withdrawn. Dependent claims 6-7 are allowable at least

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for the reasons discussed above with respect to independent claim 5, from which they depend, as well as for their added features.

IV. New Claims 8-18

New claims 8-18 are added to the Application. It is respectfully submitted that new claims 8-18 are allowable at least for the reasons set forth with respect to independent claims 1 and 4, from which they respectively depend, as well as for their added features.

V. Conclusion

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned, **Joanna K. Mason**, at the telephone number listed below. Favorable consideration and prompt allowance are earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this,

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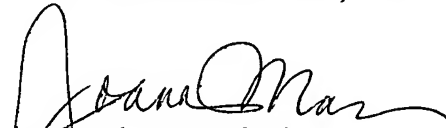
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concurrent and future replies, including extension of time fees, to Deposit Account 16-0607

and please credit any excess fees to such deposit account.

Respectfully submitted,
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Substitute Abstract

A system for utilizing a mobile communication terminal as a wireless headset is provided. The system utilizes a personal computer (PC) to access an Internet phone service, and a mobile terminal with built in Bluetooth capability to function as a wireless headset. When an operation mode of the mobile terminal is set to headset mode, a speech signal input through a microphone of the mobile terminal is transmitted to the PC via a Bluetooth device in the mobile terminal and a Bluetooth card installed in the PC, where the signal is processed and transmitted through an internal line to its intended recipient. Likewise, a speech signal may be transmitted from the PC to a speaker of the mobile terminal via the same Bluetooth card and device. Thus, a mobile terminal with a built in Bluetooth function may be used as a wireless headset to access Internet phone service.

FIG.3

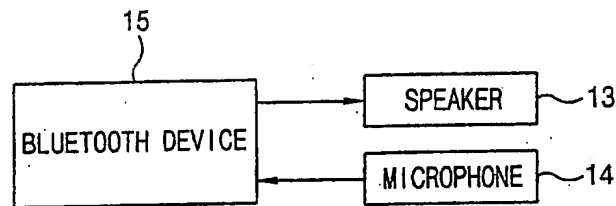


FIG.4

